

## AMENDMENTS TO THE CLAIMS

*Please cancel claims 2, 9, 13, 20, and 28 without prejudice.*

*Please amend the claims as follows:*

1. (Currently amended) A method comprising:  
  
requesting a memory address region and network boot load data from a server;  
  
receiving the network boot load data and a designated memory region from the  
  
server; ~~and~~  
  
loading the network boot load data into the designated memory region[.];  
  
running the network boot load data;  
  
jumping to a designated memory region for an operating system; and  
  
initializing the operating system.
2. (Cancelled)
3. (Currently amended) The method of ~~claim 2~~ claim 1, wherein initializing the  
  
operating system comprises initializing using the network boot load data without  
  
use of a network bootstrap program.
4. (Original) The method of claim 1, further comprising discovering a network  
  
protocol identifier.
5. (Previously presented) The method of claim 1, further comprising operating  
  
utilizing PXE (preboot execution environment), and wherein PXE is used to  
  
directly load network data into system memory.

6. (Previously presented) The method of claim 5, wherein network data is directly loaded into system memory through use of a UNDI (Universal Network Device Interface) network interface.
7. (Previously presented) The method of claim 1, wherein the network boot load data comprises a bootloading API (application program interface).
8. (Currently amended) A method comprising:  
receiving a packet comprising a network protocol identifier from a client;  
transferring an offer packet to the client;  
receiving a request for a boot memory region from the client;  
designating a boot memory region; and  
transferring network boot load data and the designation of the boot memory region to the client[.];  
wherein the client initializes an operating system utilizing the boot load data.
9. (Cancelled)
10. (Original) The method of claim 8, further comprising operating utilizing PXE (preboot execution environment).
11. (Original) The method of claim 8, wherein a network bootstrap program is not transferred to the client.
12. (Currently amended) A client system comprising:  
a memory; and  
a bootloader, the bootloader to:

request a memory address region for the memory and network boot load data from a server;  
receive the network boot load data and a designated memory region from the server; and  
load the network boot load data into the designated memory region[.];  
wherein the bootloader is to jump to the designated memory region and start an operating system using the network boot load data.

13. (Cancelled)
14. (Original) The client system of claim 12, wherein the bootloader is to discover a network protocol identifier.
15. (Original) The client system of claim 12, wherein the bootloader utilizes PXE (preboot execution environment).
16. (Previously presented) The client system of claim 12, wherein network boot load data is directly loaded into the memory through use of a UNDI (Universal Network Device Interface) network interface.
17. (Previously presented) The client system of claim 12, wherein the network boot load data comprises a bootloading API (application program interface).
18. (Previously presented) The client system of claim 12, wherein the bootloader starts an operating system without use of a network bootstrap program.

19. (Currently amended) A machine-readable medium having stored thereon data representing sequences of instructions that, when executed by a processor, cause the processor to perform operations comprising:
- requesting a memory address region and network boot load data from a server;
- receiving the network boot load data and a designated memory region from the server; [[and]]
- storing the network boot load data at the designated memory region[.];
- running the network boot load data;
- jumping to a designated memory region for an operating system; and
- initializing the operating system.
20. (Cancelled)
21. (Currently amended) The medium of ~~claim 20~~ claim 19, wherein initializing the operating system comprises initializing using the network boot load data without use of a network bootstrap program.
22. (Original) The medium of claim 19, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising discovering a network protocol identifier.
23. (Previously presented) The medium of claim 19, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising operating utilizing PXE (preboot execution environment) , and wherein PXE is used to directly load network data into system memory.

24. (Previously presented) The medium of claim 23, wherein network data is directly loaded into system memory through use of a UNDI (Universal Network Device Interface) network interface.
25. (Previously presented) The medium of claim 19, wherein the network boot load data comprises a bootloading API (application program interface).
26. (Original) The medium of claim 19, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising initializing an operating system without use of a network bootstrap program.
27. (Currently amended) A machine-readable medium having stored thereon data representing sequences of instructions that, when executed by a processor, cause the processor to perform operations comprising:
- receiving a packet comprising a network protocol identifier from a client;
  - transferring an offer packet to the client;
  - receiving a request for a boot memory region from the client;
  - designating a boot memory region; and
  - transferring network boot load data and the designation of the boot memory region to the client[[]];
- wherein the client initializes an operating system utilizing the boot load data.
28. (Cancelled)

29. (Original) The medium of claim 27, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising operating utilizing PXE (preboot execution environment).
30. (Original) The medium of claim 27, wherein a network bootstrap program is not transferred to the client.